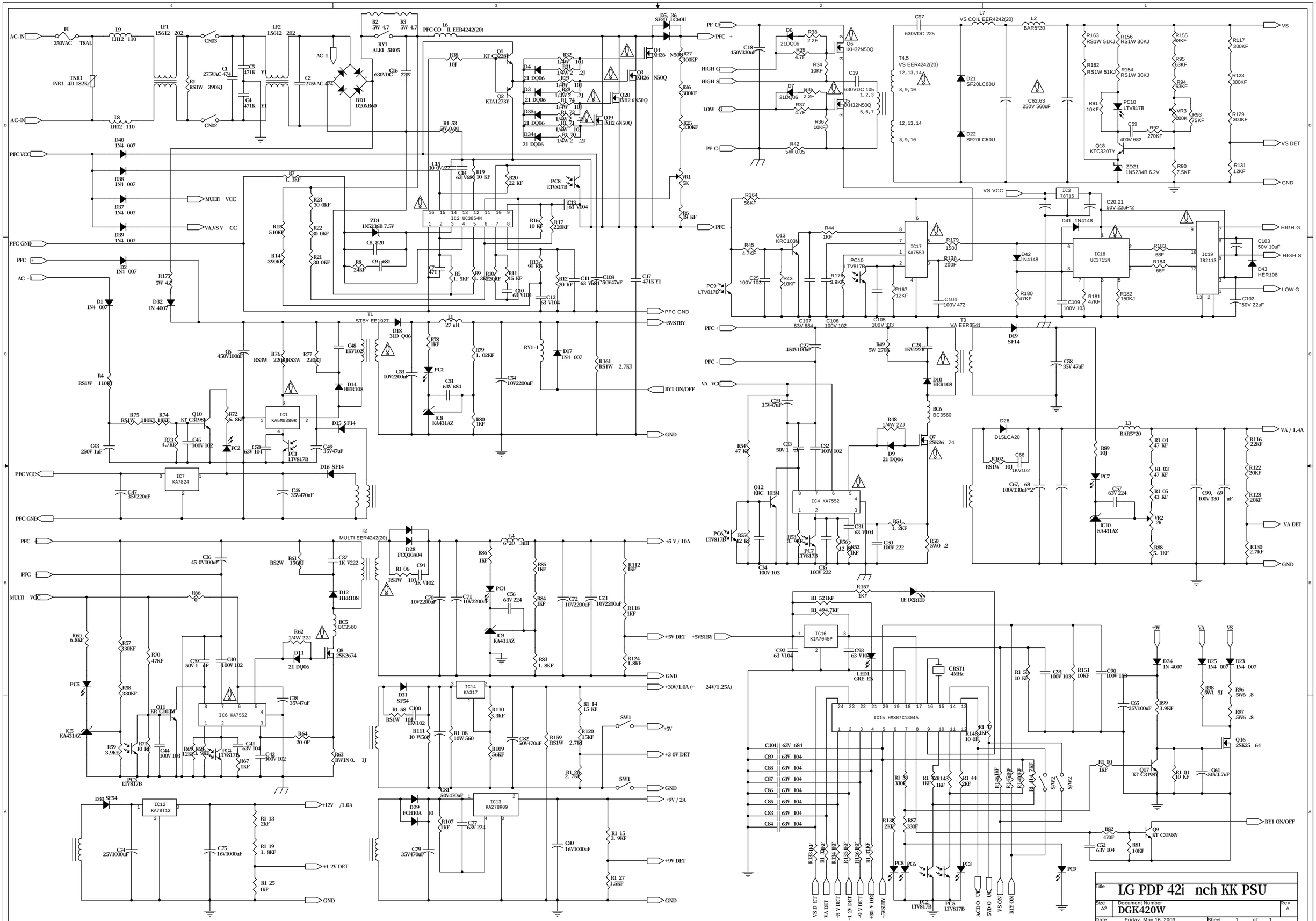
AC-IN
F1 250VAC T8AL
LF1 LS612 202
LF2 LS612 202
CN03
CN02
TNR1 INR1 4D 182K
C1 275VAC 474
C2 275VAC 474
C3 471K Y1
C4 471K Y1
C5 471K Y1
R1 RS1W 390KJ
L9 LH12 110
L8 LH12 110
AC-1
BD1 D20XB60
C16 630VDC 225
R2 5W 4.7
R3 5W 4.7
RY1 ALE1 5B05
L6 PFC COIL EER4242(20)
D5, 36 SF20 LC60U
Q1 KT C2238Y
Q2 KTA1273Y
R18 10J
R1 53 5W 0.01
D4 21 DQ06
D3 21 DQ06
D35 21 DQ06
D34 21 DQ06
R32 1/4W 10J
R31 1/4W 2 .2J
R29 1/4W 10J
R28 1/4W 2 .2J
R1 74 1/4W 10J
R1 71 1/4W 2 .2J
R1 70 1/4W 10J
R1 74 1/4W 2 .2J
Q4 IXH26 N50Q
Q3 IXH26 N50Q
Q20 IXH26 N50Q
Q19 IXH26 N50Q
R27 300KF
R26 300KF
R25 330KF
R24 330KF
VR1 5K
R6 18 KF
PFC C
PFC +
HIGH G
HIGH S
LOW G
PF C
C18 450V330uF
D6 21DQ06
D7 21DQ06
R38 2.2F
R39 4.7F
R34 10KF
R35 2.2F
R37 4.7F
R36 10KF
Q6 IXH32N50Q
Q5 IXH32N50Q
C19 630VDC 105
R42 5W 0.05
C97 630VDC 225
L7 VS COIL EER4242(20)
L2 BAR5*20
T4,5 VS EER4242(20)
12, 13, 14
8, 9, 10
D21 SF20LC60U
D22 SF20LC60U
C62,63 250V 560uF
R163 RS1W 51KJ
R162 RS1W 51KJ
R156 RS1W 30KJ
R154 RS1W 30KJ
R155 63KF
R95 63KF
R94 63KF
R91 10KF
PC10 LTV817B
VR3 200K
R93 75KF
C59 400V 682
R92 270KF
Q18 KTC3207Y
ZD21 1N5234B 6.2V
R90 7.5KF
R117 300KF
R123 300KF
R129 300KF
R131 12KF
VS
VS DET
GND
PFC VCC
D40 1N4 007
D38 1N4 007
D37 1N4 007
D39 1N4 007
MULTI VCC
VA,VS V CC
PFC GND
D2 1N4 007
AC -
R177 5W 4.
D1 1N4 007
D32 1N 4007
R4 RS1W 110KJ
R1 1. 3KF
R23 30 0KF
R22 30 0KF
R21 30 0KF
R13 510KF
R14 390KF
ZD1 1N5236B 7.5V
C8 820
C9 681
R8 24KF
C15 10 0V222
C14 63 V684
R19 10 KF
R20 22 KF
PC8 LTV817B
C13 63 V104
IC2 UC3854N
R16 10 KF
R17 220KF
C7 471
R5 1. 5KF
R9 1. 3KF
R10 220RF
R11 15 KF
C10 63 V104
C12 63 V104
R12 20 KF
C11 63 V684
C108 50V47uF
C17 471K Y1
PFC GND
+5VSTBY
RY1 ON/OFF
GND
T1 STBY EE1927
D18 31D Q06
L1 27 uH
R78 1KF
R79 1. 02KF
C53 10V2200uF
PC1
C51 63V 684
IC8 KA431AZ
R80 1KF
C54 10V2200uF
RY1-1
D17 1N4 007
R161 RS1W 2.7KJ
C6 450V100uF
R76 220RJ RS3W
R77 220RJ RS3W
C48 1KV102
D14 HER108
D15 SF14
R75 RS1W 110KJ
R74 18RF
Q10 KT C3198Y
R72 6. 8KF
IC1 KA5M0380R
R73 4.7KF
C45 100V 102
PC2
C50 63V 104
PC1 LTV817B
C49 35V47uF
C43 250V 1uF
D16 SF14
PFC VCC
IC7 KA7824
C47 35V220uF
C46 35V470uF
PFC GND
T2 MULTI EER4242(20)
D28 FCQ30A04
R1 06 RS1W 10J
C94 1K V102
L4 6. 20 3uH
C70 10V2200uF
C71 10V2200uF
C72 10V2200uF
C73 10V2200uF
R86 1KF
R85 1KF
R84 1KF
R83 1. 8KF
PC4
C56 63V 224
IC9 KA431AZ
R112 1KF
R118 1KF
R124 1.8KF
+5 V / 10A
+5V DET
GND
PFC
MULTI VCC
C36 45 0V100uF
R61 150RJ RS2W
C37 1K V222
D12 HER108
BC5 BC3560
R66
R62 1/4W 22J
D11 21 DQ06
Q8 2SK2674
R60 6.8KF
R57 330KF
R70 47KF
C39 50V 1 uF
C40 T00V 102
C38 35V47uF
R64 20 0F
R63 RW1N 0. 1J
R58 3. 9KF
R68 12KF
R65 3. 9KF
PC4 LTV817B
C41 63V 104
C42 100V 102
R67 1KF
PC5 LTV817B
R59 3.9KF
R71 10 KF
C44 100V 103
Q11 KRC 103M
IC5 KA431AZ
IC6 KA7552
+30V/1.0A (+ 24V/1.25A)
D31 SF54
IC14 KA317
R1 58 RS1W 10J
C100 1KV102
R111 10 W560
R1 08 10W 560
R110 1.3KF
R109 56KF
C82 50V470uF
R159 RS1W 2.7KJ
R1 14 15 KF
R120 15KF
R1 20 2. 7KF
SW1
+5V
+3 0V DET
GND
C81 50V470uF
IC13 KA278R89
D29 FCH10A
R107 1KF
C77 63V 224
C79 35V470uF
C80 16V1000uF
R1 15 3. 9KF
+9V / 2A
+9V DET
R1 27 1.5KF
GND
D30 SF54
IC12 KA78T12
C74 25V1000uF
C75 16V1000uF
R1 13 2KF
R1 19 1. 8KF
R1 25 1KF
+12V /1.0A
+1 2V DET
GND
PFC +
PFC -
VA VCC
C27 450V100uF
C29 35V47uF
C33 50V 1 uF
C32 100V 102
C34 100V 103
C35 100V 222
R54 47 KF
Q12 KRC 103M
IC4 KA7552
PC6 LTV817B
R55 12 KF
R53 3. 9KF
PC7 LTV817B
R56 12 KF
R52 1KF
C31 63 V104
C30 100V 222
R51 1. 2KF
R50 5W0 .2
R49 5W 270J
C28 1KV222K
D10 HER108
BC6 BC3560
R48 1/4W 22J
D9 21 DQ06
Q7 2SK26 74
C58 35V 47uF
T3 VA EER3541
D19 SF14
VA V
VA V CC
IC3 78T15
C20,21 50V 22uF*2
D41 1N4148
R164 56KF
R45 4.7KF
Q13 KRC103M
R44 1KF
C25 100V 103
R43 10KF
PC10 LTV817B
R176 3.9KF
R167 12KF
IC17 KA7553
R179 150J
R178 200F
C104 100V 472
PC9 LTV817B
IC18 UC3715N
IC19 IR2113
R183 68F
R184 68F
R180 47KF
R181 47KF
R182 150KJ
C109 100V 103
D42 1N4148
C103 50V 10uF
D43 HER108
C102 50V 22uF
HIGH G
HIGH S
LOW G
C107 63V 684
C106 100V 102
C105 100V 333
D26 D15LCA20
L3 BAR5*20
R102 RS1W 10J
C66 1KV102
C67, 68 100V330uF*2
C99, 69 100V 330 uF
R89 10J
PC7
C57 63V 224
IC10 KA431AZ
VR2 2K
R88 5. 1KF
R1 04 47 KF
R1 03 47 KF
R1 05 43 KF
R116 22KF
R122 20KF
R128 20KF
R130 2.7KF
VA / 1.4A
VA DET
GND
R157 1KF
LE D2RED
R1 52KF
R1 49 4.7KF
IC16 KIA7045P
+5VSTBY
C92 63 V104
C93 63 V104
LED1 GRE EN
CRST1 4MHz
IC15 HMS87C1304A
R1 47 10 KF
R146 10 0K
C101 63V 684
C89 63V 104
C88 63V 104
C87 63V 104
C86 63V 104
C85 63V 104
C83 63V 104
C84 63V 104
R1 39 330J
R1 43 1KF
R1 44 2KF
R145 4.7KF
R142 330F
R1 41 4.7KF
S/W2
R1 00 1KF
Q17 KT C3198Y
R1 01 10 KF
Q64 50V4.7uF
+9V
D24 1N 4007
C65 25V100uF
R99 3.9KF
R98 5W1 5J
R96 5W6 .8
R97 5W6 .8
Q16 2SK25 64
VA
VS
D25 1N4 007
D23 1N4 007
R1 5 10 KF
C91 100V 103
R151 10KF
C90 100V 103
R138 2KF
R87 330F
R82 470F
C52 63V 104
R81 10KF
Q9 KT C3198Y
RY1 ON/OFF
R153 3KF
R1 54 3KF
R1 34 1KF
R135 1KF
R1 50 1KF
R1 33 1KF
PC8
PC6
PC3
PC2 LTV817B
PC5 LTV817B
PC9
VS D ET
VA DET
+5 V DET
+1 2V DET
+9 V DET
+30 V DET
+5VSTB
DC O UT
5VD O UT
VS ON
RLY ON
Title
LG PDP 42i nch KK PSU
Size A2
Document Number DGK420W
Rev A
Date: Friday, May 16, 2003
Sheet 1 of 1